

76  
SEQUENCE LISTING

<110> Reiter , Yoram  
Denkberg, Galit

<120> ANTIBODY HAVING A T-CELL RECEPTOR-LIKE SPECIFICITY, YET HIGHER  
AFFINITY, AND THE USE OF SAME IN THE DETECTION AND TREATMENT OF CANCER, VIRAL  
INFECTION AND AUTOIMMUNE DISEASE

<130> 01/23094

<160> 11

<170> PatentIn version 3.1

<210> 1

<211> 9

<212> PRT

<213> Artificial sequence

<220>

<223> HLA-A2-restricted peptide, gp100 (154)

<400> 1

Lys Thr Trp Gly Gln Tyr Trp Gln Val

1 5

<210> 2

<211> 9

<212> PRT

<213> Artificial sequence

10023301-01300

<220>

<223> HLA-A2-restricted peptide, gp100 (209)

<400> 2

Ile Met Asp Gln Val Pro Phe Ser Val  
1 5

<210> 3

<211> 9

<212> PRT

<213> Artificial sequence

<220>

<223> HLA-A2-restricted peptide, gp100 (280)

<400> 3

Tyr Leu Glu Pro Gly Pro Val Thr Val  
1 5

<210> 4

<211> 9

<212> PRT

<213> Artificial sequence

<220>

<223> HLA-A2-restricted peptide, MUC1

100704-0001

<400> 4

Leu Leu Leu Thr Val Leu Thr Val Leu

1 5

<210> 5

<211> 9

<212> PRT

<213> Artificial sequence

<220>

<223> HLA-A2-restricted peptide, HTLV-1 (TAX)

<400> 5

Leu Leu Phe Gly Tyr Pro Val Tyr Val

1 5

<210> 6

<211> 9

<212> PRT

<213> Artificial sequence

<220>

<223> HLA-A2-restricted peptide, hT room temperature (540)

<400> 6

Ile Leu Ala Lys Phe Leu His Trp Leu

1 5

2007-01-01 10:00:00

<210> 7

<211> 9

<212> PRT

<213> Artificial sequence

<220>

<223> HLA-A2-restricted peptide, hTEroom temperature (865)

<400> 7

Arg Leu Val Asp Asp Phe Leu Leu Val

1

5

<210> 8

<211> 711

<212> DNA

<213> Artificial sequence

<220>

<223> G1 Single chain Fv-recombinant antibody DNA sequence

<400> 8

cagggtgaaac tgcaggagtc tgggggaggc ttagtgaagc ctggagggtc cctgaaactc 60

tcctgtgcag cctctggatt cactttcagt agctatggca tgtcttgggt tcgccagact 120

ccagacaaga ggctggagtg ggtcgcaacc attagtagtg gtggtagtta cacctactat 180

ccagacagtg tgaaggggag attcaccatc tccagagaca atgccaagaa caccctgtac 240

2007-10-20 10:20:00

ctgcaaatga gcagtctgaa gtctgaggac acagccatgt attactgtgc aagaggtaac 300  
 tgggaaggat ggtacttcga tgtctggggc caagggacca cggtcaccgt ctctcaggt 360  
 ggagcggtt caggcggagg tggctctggc ggtggcggat cgaacatcga gctcactcag 420  
 tctccagcaa tcatgtctgc atctccaggg gagaggggtca ccatgacctg cagtgccagc 480  
 tcaagtatac gttacatata ttggtaccaa cagaagcctg gtcctcccc cagactcctg 540  
 atttatgaca catccaacgt ggctcctgga gtcccttttc gcttcagtgg cagtgggtct 600  
 gggacctctt attctctcac aatcaaccga atggaggctg aggatgctgc cacttattac 660  
 tgccaggagt ggagtggta tccgtacacg ttcggagggg ggacaaagtt g 711

<210> 9

<211> 237

<212> PRT

<213> Artificial sequence

<220>

<223> G1 single chain Fv- recombinant antibody protein sequence

<400> 9

Gln Val Lys Leu Gln Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly  
 1 5 10 15

Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30

Gly Met Ser Trp Val Arg Gln Thr Pro Asp Lys Arg Leu Glu Trp Val  
 35 40 45

20073301-031302

Ala Thr Ile Ser Ser Gly Gly Ser Tyr Thr Tyr Tyr Pro Asp Ser Val  
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr  
 65 70 75 80

Leu Gln Met Ser Ser Leu Lys Ser Glu Asp Thr Ala Met Tyr Tyr Cys  
 85 90 95

Ala Arg Gly Asn Trp Glu Gly Trp Tyr Phe Asp Val Trp Gly Gln Gly  
 100 105 110

Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 115 120 125

Ser Gly Gly Gly Gly Ser Asn Ile Glu Leu Thr Gln Ser Pro Ala Ile  
 130 135 140

Met Ser Ala Ser Pro Gly Glu Arg Val Thr Met Thr Cys Ser Ala Ser  
 145 150 155 160

Ser Ser Ile Arg Tyr Ile Tyr Trp Tyr Gln Gln Lys Pro Gly Ser Ser  
 165 170 175

Pro Arg Leu Leu Ile Tyr Asp Thr Ser Asn Val Ala Pro Gly Val Pro  
 180 185 190

Phe Arg Phe Ser Gly Ser Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile  
 195 200 205

Asn Arg Met Glu Ala Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Glu Trp  
 210 215 220

Ser Gly Tyr Pro Tyr Thr Phe Gly Gly Gly Thr Lys Leu

10073301-034302

225

230

235

&lt;210&gt; 10

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Influenza derived HLA-restricted peptide

&lt;400&gt; 10

Gly Ile Leu Gly Phe Val Phe Thr Leu

1

5

&lt;210&gt; 11

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Hepatitis B derived HLA-restricted peptide

&lt;400&gt; 11

20250706 10:00:00